TITLE DISK CALIBRATION AND SEARCH METHOD IN A CD-ROM DRIVE, SYSTEM

inventor(s): KI-BONG YUN Application No.: 09/665183 Replacement Sheet "OK to Enter" /PWH/ 03/06/2010 PERFORM A SEARCH SUBROUTINE ADJUST AND INITIALIZE THE UNIT TRACK NUMBER FOR 61 THE TARGET TRACK BY REPEATING THE SEARCH OPERATION READ OUT THE CURRENT POSITION OF THE PICKUP AND CALCULATE 62 THE DISTANCE FROM THE CURRENT POSITION TO THE TARGET TRACK CALCULATE THE NUMBER OF TRACKS (X) TO BE JUMPED BY THE PICKUP LONG JUMP REQUIRED NO SHORTJOMP 68 IS THE TRACK NUMBER TO NO THE TARGET TRACK EQUAL TO A VALUE OBTAINED BY ADDING ONE TO THE INITIAL 69 VALUE? DIVIDE THE NUMBER OF TRACKS (X) TO BE JUMPED BY THE PICKUP BY THE ADJUSTED UNIT TRACK YES 71 NUMBER (X + ADJUSTED UNI PERFORM A SECOND TRACK NUMBER) = Y SUBROUTINE FOR ADJUSTING THE UNIT TRACK NUMBER ROTATE THE SLED MOTOR IN ACCORDANCE WITH PULSE NUMBER CONVERTED FROM THE VALUE (Y) OBTAINED IN STEP 69

> 66 WAS THE TARGET TRACK REACHED? 67 NO ADD ONE TO THE INITIAL TRACK NUMBER (X) OF THE TARGET TRACK RETURN

> > FIG. 6 (Amended)